

REMARKS

Claims 1-12 are pending and stand rejected. Of those, claims 1-2 and 5-8 are rejected as allegedly anticipated by U.S. Patent No. 5,737,203 to Barrett; claims 4 stands rejected as allegedly unpatentable over Barrett in view of Publication No. US2004/0140879 to Schafer; and claims 3 and 9-12 stand rejected as allegedly unpatentable over Barrett in view of U.S. Patent No. 5,012,125 to Conway.

In view of the amendments made herein and the remarks that follow, Applicant respectfully submits that the pending claims are patentable over the art of record and in condition for allowance.

Anticipation Rejection over Barrett

Claims 1-2 and 5-8 are rejected as allegedly anticipated by U.S. Patent No. 5,737,203 to Barrett. Please reconsider and withdraw the anticipation rejection for at least the following reasons.

The reference to Barrett is directed to controlled-K resonating Transformer. More specifically, the reference shows a transformer comprising a primary winding and a secondary winding. Each of the primary and the secondary windings are wound on both the first and the second toroid cores as shown in Figs. 3C and 3g. The purpose of using two separate toroid cores appears to be providing the primary and the secondary windings of the transformer with middle taps as shown in Figs. 3d and 3h, respectively.

Barrett does not disclose nor suggest an arrangement with a first working winding on a first toroid core and a second working winding on a second toroid core having a variable inductance as claimed. The claimed configuration enables generating low electromagnetic interference. Rather, Barrett teaches that each of the primary and the secondary windings are wound on both the first and the second toroid cores.

Moreover, the claimed embodiments include working windings that can be connected in series or in parallel. Such connections would not work with the arrangement of Barrett where each of the primary and the secondary windings are wound on both the first and the second toroid cores.

For at least these reasons, Applicant submits that claim 1 is patentable over the references. Each of claims 2 and 5-8 depends from claim 1 and is deemed patentable by the virtue of this dependence. Accordingly, additional reasons for patentability of each such will not be discussed.

Obviousness Rejections

Claims 3-4 and 9-12 stand rejected as allegedly unpatentable over various combination of references. Inasmuch as each of claims 3-4 and 9-12 depends from claim 1, which as discussed, is patentable over the art of record, each such claim is deemed patentable at least by the virtue of its dependence from an otherwise patentable

independent claim. Accordingly, additional reasons for patentability will not be proffered.

Reconsideration and withdrawal of the obviousness rejection of claims 3-4 and 9-12 are respectfully requested.

New Claims

New claims have been added to particularly point out and distinctly claim different embodiments of the disclosure. New claim 13 finds support in claims 1 and 7 as originally filed. Similarly, the new dependent claims 14-15 find support in the claims 2 and 3. Applicant respectfully submits that new claim 13 is patentable for the same reasons discussed in relation to claim 1 and further because Barrett fails to disclose or suggest an even distribution of the working windings on the toroid cores. In fact, at col. 5, lines 21-25, the reference explains that the primary and secondary windings are on opposite sides of the toroid and thus not evenly distributed.

For at least these reasons, Applicant respectfully submits that new claims 13-15 are in condition for allowance.

CONCLUSION

Having addressed each and every issue raised in the pending Office Action,
Applicant submits that the claims are in condition for allowance. A notice to this effect is respectfully requested.

While an extension of time is not deemed necessary, the Office is requested and hereby authorized to charge the appropriate extension-of-time fees needed to maintain the application pending against Deposit Account No. 04-1679 to Duane Morris LLP.

The Examiner is invited to contact the undersigned to discuss any issues pertaining to the instant application.

Respectfully submitted,



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